

In the Specification:

On page 1, prior to line 3, please insert the following heading and paragraph:

--Cross Reference to Related Applications

This application is for entry into the U.S. national phase under §371 for International Application No. PCT/FI2004/050108 having an international filing date of June 29, 2004, and from which priority is claimed under all applicable sections of Title 35 of the United States Code including, but not limited to, Sections 120, 363 and 365(c), and which in turn claims priority to Finnish patent application 20035116 filed on June 30, 2003.

Technical Field--

On page 1, please amend the paragraph beginning at line 3 as follows:

~~--The invention relates to a method for transmitting trace data to a network tester according to the preamble of claim 1. In addition, the invention relates to a trace system according to the preamble of claim 8. The invention also relates to a terminal according to the preamble of claim 10. The invention also relates to a network tester according to the preamble of claim 13.--~~

On page 1, prior to line 10, please insert the following heading:

--Background of the Invention--

On page 2, prior to line 1, please insert the following heading:

--Summary of the Invention--

On page 2, please delete the paragraph beginning at line 1 in its entirety as follows:

~~--By means of the present invention it is possible to eliminate or at least reduce the above-mentioned problems. The method according to the invention is characterized in what will be~~

~~presented in the characterizing part of claim 1. The system according to the invention is characterized in what will be presented in the characterizing part of claim 8. The terminal according to the invention is characterized in what will be presented in the characterizing part of claim 10. The network tester according to the invention is characterized in what will be presented in the characterizing part of claim 13.~~

On page 2, prior to line 35, please insert the following heading:

--Brief Description of the Drawings--

On page 3, prior to line 8, please insert the following heading:

--Detailed Description of the Invention--

On page 7, please amend the paragraph beginning at line 4 as follows:

--Let us next examine the architecture and system of the special applications with references to Fig. 2. In the implementation of the system, ~~is utilized~~ the AT command interpreter 14 of the mobile communication device 1 is utilized, to which interpreter the necessary changes are made in order to implement operations according to the invention. The main components of the system are the actual network tester NT, which comprises a test controlling test system unit 16, which also receives the trace information and performs requests to the protocol entity. In the scope of this description, also the connection control unit 13 belongs to the same physical device with the tester NT, which unit creates the call or the packet data transfer and whose functionality the network tester NT traces. Data transmission between the network test system NT and different media modules MM (including a so-called terminal adapter) depends on the medium being used, of which for example infrared connection (IrDA) was mentioned above. Each connection by means of a different medium is described as a separate session. A logical connection to the AT command interpreter is created for each physical connection 17 and 18 of the media module MM. There can also be several of these connections (e.g. USB connection), in which case the network tester can be handled as two sessions in the AT command interpreter. One session is for tracing

and controlling the functionality of the tester, and the other for controlling the actual data connection. The tester NT is, thus, connected to the mobile communication device 1 by means of, for example, one USB connection, or two Bluetooth connections, or a Bluetooth connection and an IrDA connection, or an IrDA connection and a RS232 connection, in order to create two sessions.--

On page 8, please amend the paragraph beginning at line 12 as follows:

--The tester NT is connected to the mobile communication device 1 in a manner that depends on the physical connection and by means of which the media modules MM (one or two media modules) used by the tester know that the connection has taken place. After this the media modules MM send the necessary messages to the component SW handling the interface, in order to create logical connections 17, 18. By means of the connections the tester NT can send AT commands 10 (Fig. 1) to the AT command interpreter 14, which, for its part, sends a response 11. In the normal mode of the mobile communication device 1, normal AT commands are possible (e.g. AT*CHSN) and the AT commands of the network tester (NT) are not allowed (e.g. AT*NBALOCK) and produce an error. After the command AT*NTESTSYSTEM=1 is given to the mobile communication device 1, the mobile communication device transfers to a network tester mode, and it does not accept normal AT commands any longer, which now only produce an error. ~~Instead~~ Instead, configurations made with normal AT commands are still valid, but they cannot now be changed or presented. In the mode in question, only special AT commands are accepted. At the end of the test session, a command AT*NTESTSYSTEM=0 is given, after which the mobile communication device returns to normal state and the normal AT commands are possible.--